



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5512-1

Job Sheet 195265



Part No: D5512-1

Job Qty: 100 pcs

Part Name: Crossbolt Spacer



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/16/19

Job Tracking No:

Due Date: 9/6/19

Created By: Kimberley Guerin

Type: Stock

Description:

Note: IPP REV:A 17.11.03 AS PER DWG REV.A DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Run Hrs Hrs	Workcenter/Supplier	Sign-off
130	Purchasing	100 pcs	9/6/19	9/6/19	0.00 0.00	Purchasing - 1	
						Purchasing - 2	
						Purchasing - 3	
140	Packaging 2-1 - Receive - B4B	100 pcs	9/6/19	9/6/19	0.00 0.00	Packaging 2 - 1 - B4B	
						Packaging 2 - 2 - B4B	
						Packaging 2 - 3 - B4B	
						Packaging 2 - 5 - B4B	
						Packaging 2 - 4 - B4B	
						Packaging 2 - 6 - B4B	
						Packaging 2 - 7 - B4B	
						Packaging 2 - 8 - B4B	
						Packaging 2 - 9 - B4B	
						Packaging 2 - 10 - B4B	
						Packaging 2 - 11 - B4B	
						Packaging 2 - 12 - B4B	
						Packaging 2 - 13 - B4B	
						Packaging 2 - 14 - B4B	
						Packaging 2 - 15 - B4B	
						Packaging 2 - 16 - B4B	
						Packaging 2 - 17 - B4B	
						Packaging 2 - 18 - B4B	
						Packaging 2 - 19 - B4B	
						Packaging 2 - 20 - B4B	
						Packaging 2 - 21 - B4B	
						Packaging 2 - 22 - B4B	
						Packaging 2 - 23 - B4B	
						Packaging 2 - 24 - B4B	
						Packaging 2 - 25 - B4B	
						Packaging 2 - 26 - B4B	
						Packaging 2 - 27 - B4B	
						Packaging 2 - 28 - B4B	



Container No: S218968



Part: D5512-1

Job No: 195265

Serial No/Batch: S218968

Revision: A

Inspector:

Exp Date:

Instructions: Various STC's

Date: 10/02/19

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Plex 5/16/19 12:49 PM Dart.Guerin.Kimberley

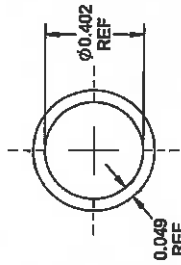
[Dart Hawkesbury] Job Sheet - Guerin, Kimberley

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
150 QC 6	100 pcs	9/6/19	0.00 0.00	QC 6 - 9	DAS 61 9-89
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
160 Packaging 3-1 - Stock - B4B	100 pcs	9/6/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
170 QC 21 - SA	100 pcs	9/6/19	0.00 0.00	QC 21 - SA - 21	DAS 21 9-89 OCT 8 9 2019
				QC 21 - SA - 70	
				QC 21 - SA - 53	
Part Op 130 - ISSUE P/O: _____ SUPPLIER: E.T.M. INDUSTRIES INC. MANUFACTURE AS PER DWG Descriptions: C OF C IS REQUIRED 160 - (Identify as per dwg & Stock Location: <u>16001</u>), ***STOCK IN SKIDTUBE CELL*** 170 - (QC21- Final Inspection - Work Order Release)					
Job BOM					
Part / Item	Component Name	Quantity	Operation	Container	
D5512-1P	Crossbolt Spacer	100 (1 ea)	130-Purchasing	5218 604	

Plex 5/16/19 12:49 PM Dart.Guerin.Kimberley

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
130-Purchasing	D5512-1P	100	0	0
Part Specifications				
Specifications could not be found.				

Plex 5/16/19 12:49 PM Dart.Guerin.Kimberley



NOTES:
 1) **MATERIAL:** MAKE FROM D8210 EXTRUSION
 2) **FINISH:** NONE
 3) **TOLERANCES:** PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) **UNITS:** INCHES UNLESS OTHERWISE NOTED
 5) **BREAK SHARP EDGES:** 0.005 TO 0.010 MAX
 6) **IDENTIFICATION:** NONE
 7) **WEIGHT:** 0.08 lbs

A	NEW ISSUE	NO		17.02.24
REV.	DESCRIPTION	BY	DATE	
DESIGN	NO	DART AEROSPACE USA, INC. EUGENE, OR DRAWING NO. D5512 REV. A SHEET 1 OF 1 SCALE CROSSBOLT SPACER NTS COPYRIGHT © 2017 BY DART AEROSPACE USA, INC. This document is proprietary and confidential, and it may not be used, copied, collected, lent, or distributed in any form without the express written permission of DART AEROSPACE USA, INC.		
DRAWN	NO			
CHECKED	AJS			
MFG. APPR	JFS			
APPROVED	WM			
DE APPR	DS-#			
DATE	17.02.24			

2025-11-17 10:31 AM
RELEASED
APPROVED



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHIB043485



REVISED

Supplier: ETM001-VC
E.T.M. Industries Inc.
310 Hall Avenue, Box 610
Renfrew
ON
K7V 4E7 Canada
Phone: 613-432-6136
Fax: 613-432-8212

PO No: POHB043485
PO Date: 5/16/19
Due Date: 9/6/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	195251	D3490-5P			Crossbolt Spacer : as per Dwg D3490-5P RevA	Firmed -		9/6/19	100 Ea	0 Ea	100 Ea	\$3.45/Ea	\$345.00
AUG 30 2019 DP													
Line Item Note Material WW-T-700/6 can be use													
2	195252	D4170-1P			Bushing : as per Dwg D4170-1P RevB	Firmed -		9/6/19	100 Ea	0 Ea	100 Ea	\$4.50/Ea	\$450.00
AUG 30 2019 DP													
3	195253	D2971P			Crossbolt Spacer : as per Dwg D2971 RevA1	Firmed -		9/6/19	50 Ea	0 Ea	50 Ea	\$6.25/Ea	\$312.50
SEP 12 2019 DP													
4	195256	D2973P			Crossbolt Spacer : as per Dwg D2973 RevA	Firmed -		9/6/19	30 Ea	0 Ea	30 Ea	\$18.50/Ea	\$555.00
SEP 12 2019 DP													
5	195257	D3504-1P			Crossbolt Spacer : as per Dwg D3504-1 RevC	Firmed -		9/6/19	100 Ea	0 Ea	100 Ea	\$4.75/Ea	\$475.00
SEP 12 2019 DP													

Plex 8/22/19 8:54 AM Dart.Guerin.Kimberley



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K8A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHB043485



Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	195258	D3504-3P			Crossbolt Spacer : as per Dwg D3504-3 RevC	Firmed -		9/6/19	30 Ea	0 Ea	30 Ea	\$12.50/Ea	\$375.00
						X30			SEP 12 2019				DP
7	195259	D3662-1P			Crossbolt Spacer : as per Dwg D3662-1 RevA	Firmed -		9/6/19	100 Ea	0 Ea	100 Ea	\$4.65/Ea	\$465.00
						X100			SEP 17 2019				DP
8	195265	D5512-1P			Crossbolt Spacer : as per Dwg D5512-1 RevA	Firmed -		9/6/19	100 Ea	0 Ea	100 Ea	\$4.00/Ea	\$400.00
						X100			SEP 30 2019			DAS 61 9-89	DP
9	195264	D3286-3P			Spacer : as per Dwg D3286-3 RevA	Firmed -		8/23/19	45 Ea	0 Ea	45 Ea	\$11.00/Ea	\$495.00
						X45			AUG 22 2019				DP
10	199400	D3286-3P			Spacer : as per Dwg D3286-3 RevA	Firmed -		9/6/19	5 Ea	0 Ea	5 Ea	\$11.00/Ea	\$55.00
						cancel							
Grand Total:												\$3,927.50	

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/22/19 8:54 AM Dart.Guerin.Kimberley



E.T.M. INDUSTRIES INC.
310 HALL AVENUE
BOX 610
RENFREW, ON K7V 4E7
Canada

Ph: 613-432-6136

Fax: 613-432-8212

Pack List

Number: 144152

Date: 16-Sep-19

To

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

Ship To

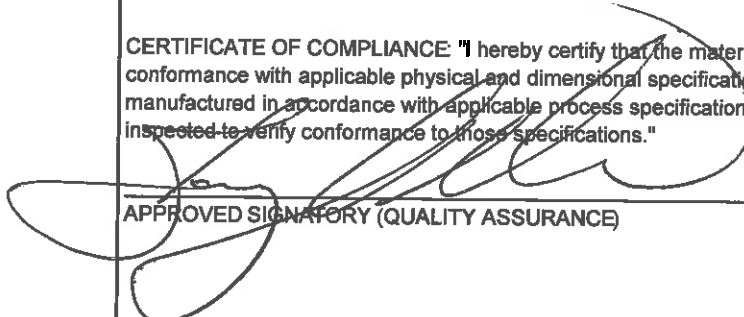
DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-5246

Ph: 613-632-5200

Fax: 613-632-5246

Terms		Ship Via	
Net 30 days			
Quantity	Description	Rev:	
100 each	Part: D5512-1P CROSSBOLT SPACER SO: 25663 **lot #108171	A	
	PO: POHB043485	Line: 008	DAS 61 9-89
CERTIFICATE OF COMPLIANCE: "I hereby certify that the material described above is in conformance with applicable physical and dimensional specifications; that it was manufactured in accordance with applicable process specifications; and has been inspected to verify conformance to those specifications."  APPROVED SIGNATORY (QUALITY ASSURANCE)			

RECEIVED
SEP 18 2019
DART AEROSPACE LTD.

Technical drawing of a mechanical part showing dimensions:

- Overall length: 4.15 (Dimension 11)
- Internal diameter: $\phi 0.500$ (Dimension 10)
- Outer diameter: $\phi 0.402$ (Dimension 9)
- Wall thickness: 0.049 (Dimension 8)

NOTES:

- 1) MATERIAL: MAKE FROM D8210 EXTRUSION
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.08 lbs

DECLASSIFIED
2017-10-31
EIN 47-726

APPROVED

A	NEW ISSUE	NO	17.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	PART AEROSPACE USA, INC.		
DRAWN	NO	DRAWING NO.	
CHECKED	AJS	D5612	
MFG. APPR.	JFS	ENGINE, OR	
APPROVED	WM	REV. A	
DE APPR.	DS- 1	SHEET 1 OF 1	
DATE	17.02.24	SCALE	
CROSSBOLT SPACER			
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 THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR CLAIMED AS CONFIDENTIALITY
 WITHOUT THE EXPRESS WRITTEN PERMISSION OF DART AEROSPACE USA, INC.

Technical drawing of a circular part. The drawing shows a top view of a circle with a diameter dimension of $\varnothing 0.500$ and a side view showing a thickness dimension of 0.049 . The drawing is oriented vertically on the page.

NOTES:
 1) MATERIAL: AISI 304 SEAMLESS TUBE, 1/8" HARD PER AMS 5566 OR AMS-T-6945 OR MIL-T-6945
 MINIMUM ULTIMATE TENSILE STRENGTH = 105KSI
 MINIMUM YIELD TENSILE STRENGTH = 75KSI
 2) FINISH: NONE
 3) TOLERANCES: PER ASTM A 450/A 450M AS FOLLOWS
 O.D.: 0.500 ± 0.004 MEAN (± 0.010 INCLUDING OVALITY)
 WALL: 0.040 ± 0.010 ± 0.000
 LENGTH: XXX $\pm 0.125/0.000$
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: 0.006 TO 0.010 MAX
 6) IDENTIFICATION: NONE
 7) WEIGHT: 0.24 lbs/sh

RELASED
2017-10-31
EAM 17-728
APPROVED

A	NEW ISSUE	NO	17JUN 20
REV.		BY	DATE
DESIGN	NO		
DRAWN	NO		
CHECKED	AJS		
MFG. APPR.	DP		
APPROVED	WM		
DE APPR.	DS		
DATE	17JUN 20		

DART AEROSPACE LTD
 1145 HAMBURG, ONTARIO, CANADA

DRAWING NO. **D6210**

REV. A

SHEET 1 OF 1

SCALE

NTS

TUBE, SEAMLESS

DATE: 17JUN 20

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

APPROVED BY: [Signature]

DE APPROVED BY: [Signature]

DATE: 17JUN 20

NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 3. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 4. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 5. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 6. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 7. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 8. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 9. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.
 10. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE OF THE TUBE.

9102 Revision B First Article Inspection
Form 1: Part Number Accountability

1. Part Number D5512-1P	2. Part Name CROSSBOLT SPACER	3. Serial Number N/A	4. FAI Number N/A
5. Part Revision Level REV. A	6. Drawing Number D5512	7. Drawing Revision Level REV. A	8. Additional Changes N/A
9. Manufacturing Process Reference 108171	10. Organization Name ETM Industries Inc.	11. Supplier Code N/A	12. P.O. Number POHB043485 LN008
13. Detail FAI ☒	14. Full FAI ☒	Baseline Part Number including Revision Level	
Assembly FAI ☐	Reason for Partial FAI: Not Applicable	N/A	
a) If above part number is a detail part only, go to Field 19 b) If above part number is an assembly, go to the "Index" section below.			
INDEX of part numbers or sub assembly numbers required to make the assembly noted above.			
15. Part Number N/A	16. Part Name N/A	17. Part Serial Number N/A	18. FAI Report Number N/A
1) Signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition. 2) Also indicate if the FAI is complete per Section 5.4: ☒ FAI Complete ☐ FAI Not Complete			
19. Signature BARRY DUPUIS			20. Date 16-SEPT-19
21. Reviewed by			22. Date
23. Customer Approval			24. Date

DAS
61
9-89

102 Revision B First Article Inspection

**Form 2: Product Accountability – Raw Material, Specifications and Special Process(es),
Functional Testing**

1. Part Number D5512-1P	2. Part Name CROSSBOLT SPACER		3. Serial Number N/A		4. FAI Report Number N/A
5. Material or Process – Name	6. Specification Number	7. Code	8. Special Process Supplier Code	9. Customer Approval Verification (Yes/No/N/A)	10. Certificate of Conformance Number
EXTRUSION	D6210 EXTRUSION	N/A	N/A	N/A	PRUDENTIAL STAINLESS & ALLOYS, L.P. 130 ESSEX AVE. E. AVENEL, NJ07001 HEAT NO. Y70953
11. Functional Test Procedure Number	12. Acceptance report number, if applicable				
Not Applicable	Not Applicable				
13. Comments					
14. Prepared By BARRY DUPUIS			15. Date 16-SEPT-19		

1. Part Number D5512-1P		2. Part Name CROSSBOLT SPACER		3. Serial Number N/A		4. FAI Report N/A	
Characteristic Accountability				Inspection / Test Results			
5. Char. No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designated Tooling	11. Non Conformance Number	14. Reference Documents
1	SHT1	N/A	MAKE FROM D6210 EXTRUSION	ACCEPT	VERIFY	N/A	PRUDENTIAL STAINLESS & ALLOYS,L.P. 130 ESSEX AVE. E. AVENEL, NJ07001 HEAT NO. Y70953 N/A
2	SHT1	N/A	FINISH: NONE	ACCEPT	VERIFY	N/A	N/A
3	SHT1	N/A	TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED	ACCEPT	VERIFY	N/A	N/A
4	SHT1	N/A	UNITS: INCHES UNLESS OTHERWISE NOTED	ACCEPT	VERIFY	N/A	N/A
5	SHT1	N/A	BREAK SHARP EDGES:0.005 TO 0.010 UNLESS OTHERWISE NOTED	ACCEPT	VERIFY	N/A	N/A
6	SHT1	N/A	IDENTIFICATION:NONE	ACCEPT	VERIFY	N/A	N/A
7	SHT1	N/A	WEIGHT 0.08 LBS.	0.082LBS.	DIGITAL SCALE	N/A	N/A
8	SHT1	N/A	0.049 (REF)	0.049	CALIPERS	N/A	N/A
9	SHT1	N/A	0.402 DIA(REF)	0.401	CALIPERS	N/A	N/A
10	SHT1	N/A	0.500 DIA.(REF)	0.501	MICROMETER	N/A	N/A
11	SHT1	N/A	4.15+/-0.030	4.164	HEIGHT GAUGE	N/A	N/A

The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.

12. Prepared By

BARRY DUPOIS

13. Date

16-SEPT-19



ASM Aerospace Specification Metals, Inc.

2501 NW 34th Place, #B28

Pompano Beach, FL. 33069

Phone: (954)977-4285 Fax: (954)977-6337

Packing Slip

P/Slip#: 40727

Customer:

E.T.M. INDUSTRIES

PO#: 115652

Ship Date: 9/5/2019

**Ship Via: FEDEX INTERNATIONAL
ECONOMY #150736994**

FOB: SHIPPING POINT

SHIP TO ADDRESS:

E.T.M. INDUSTRIES, INC.

310 HALL AVENUE

BOX 610

**RENFREW, ONTARIO, K7V 4E7
CANADA**

Item(s) Shipped:

Description

Spec/Rev: 304 1/8 HARD MIL-T-6845D

Line/Item#: LINE: 001

Part#:

Size: .50"OD X .049"W X 20FT*

Shipped Qty: 3 EA

Weight: 14 LBS

Ht/Lot: V70953 ✓

Mill: TOKYO SEIMITSUKAN

Cage Code:

108171

**DAET
RECEIVED**

SEP 10 2019

Destination Control Statement: These commodities, technology, or software, if intended for export, are subject to United States Export Administration and U.S. State Department Regulations. Diversion Contrary to U.S. Law is Prohibited.

Rev. 3/11

WWW.AEROSPACEMETALS.COM / WWW.TITANIUMDISTRIBUTOR.COM



ASM Aerospace Specification Metals, Inc
Certificate of Conformance

E.T.M. INDUSTRIES

Aerospace Specification Metals hereby certifies that all items furnished in this shipment are in full compliance with all purchase order and specification requirements, and other applicable documents cited in the P.O.. When test report is provided, it represents the actual attributes of the item(s) furnished and the test results are in full compliance with all applicable specifications and purchase order requirements. All records such as material certification, inspection, test reports, or any other data are on file and available upon request. Additionally, material is suitably packaged to help safeguard against shipping damage. (Note: Material does not come in contact with mercury during stores and processing at ASM.)

Item(s) Shipped:

Ship Date: 9/5/2019

PO#: 115652

P/Slip#: 40727

Item#: LINE: 001

Spec/Rev: 304 1/8 HARD MIL-T-6845D

Part#:

Size: .50"OD X .049"W X 20FT*

Qty: 3 EA

Ht/Lot: V70953

Mill: TOKYO SEIMITSUKAN

Cage Code:

COMMENTS: MATERIAL IS COMPLIANT WITH DFARS 252.225.7014 ALT 1

*TUBES CUT TO 80" LENGTHS EACH (9 PCS TOTAL = 60FT) - JOB #: 108171
SchB#: 7304.41.0000 / COUNTRY OF ORIGIN: JAPAN / NO EEI 30.36

PAUL CAPRIO

Quality Control



10871
RECEIVED
SEP 10 2019

The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute

-501 @@F211 1-954-977-3858 @@F201 AEROSPACE SPECIFICATION METALS @

Prudential Stainless & Alloys, L.P.

130 Essex Ave E.
Avenel, NJ 07001

Packing List

ORDER NO: 654819

DATE: 08/27/19

To: AEROSPACE SPECIFICATION METALS
2501 NW 34TH PLACE #B28
POMPANO BEACH, FL 33069

RECEIVED	QUOTED	PO NO.	WEIGHT	CUSTOMER NOTE
08/26/19	LAUREN	85113	23	
SALESPERSON		FREIGHT	PACK	NOTE
Diane Faitoute		Collect	Y	

QTY ORDER	QTY SHIP	PIECES	DESCRIPTION
	60'	3	1/2x049 ST 304 1/8HRD 6845 (20' LENGTHS) KUT ALL IN 1/3RDS ***** ACCT# 395748

115652
108171
RECEIVED
SEP 10 2019

SELLING EXCLUSIVELY TO WHOLESALERS!

AEROSPACE SPECIFICATION METALS PO# - 85113 PSP# - 654819

No. T-08-18/2

MILL CERTIFICATE

Date, APR 17, 2018.

Messrs. PRUDENTIAL STAINLESS & ALLOYS, L.P.

Article. SEAMLESS STAINLESS STEEL TUBE ✓
COLD DRAWN. ✓

(TSK)

Spec. 1/8 HARD ANNEALING TEMPER, MIL-T-6845D, AMS-T-6845, AMS-5588M, AVG. WALL.
TP304 NACE MRO-175-09 & MRO-103-12 (HARDNESS ONLY)TOKYO SEIMITSUKAN CO., LTD.
HEAD OFFICE & FACTORYOrder No. 009970 MELT SOURCE : JAPAN ✓ NO. 1, 3, 5 SANVO SPECIAL TUBE CO., LTD.
2, 4 KOBELCO STEEL TUBE CO., LTD.No. 1295 JINBO YOSHIMACHI
TAKASAKI-CITY GUNMA-PREF.

PHONE: 027-387-3131

No.	Size	Quantity			Heat No.	Chemical Composition (%)											
		Number of Pieces	Total Length Ft	Total Weight Kg.		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N		
						100	100	100	1000	1000	100	100	100	100	100	100	
1	1/4"OD X 0.016"WT X 20'	27	540	99	509464	1.7	36	112	38	9	919	1828	25	51			
2	1/4"OD X 0.035"WT X 20'	55	1100	41	770159	1.7	40	180	32	2	917	1880	31	47			
3	5/16"OD X 0.065"WT X 20'	38	760	60	300926	1.6	37	114	32	8	915	1825	12	20			
4	1/2"OD X 0.049"WT X 20' ✓	83	1680	180	770953 ✓	5.0 ✓	35 ✓	177 ✓	32 ✓	4 ✓	832 ✓	1830 ✓	22 ✓	43 ✓			
5	5/8"OD X 0.058"WT X 20'	21	420	68	301875	1.7	36	113	27	9	915	1829	13	22			

No.	Tension Test			Hardness max.	Hydrostatic Test	Surface & Dimensions	Flattening Test	Winding Test	Leak Test	Corrosion Test	Grain Size	Passivation Test	Bend Test	Heat Treatment 1825° F 1 Hr. 1 E.O.	Surface Roughness	
	Tensile Strength	Yield Strength	Elongation												Inside	Outside
	PSI	PSI	(%)												max.	min.
1	117,450	105,850	30	102	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	6.5	GOOD	GOOD	GOOD	63	36
2	131,950	107,300	22	102	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	6.7	GOOD	GOOD	GOOD	67	35
3	129,050	108,750	24	104	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	6.6	GOOD	GOOD	GOOD	62	34
4	136,300 ✓	107,300 ✓	21 ✓	103	GOOD ✓	GOOD ✓	GOOD ✓	GOOD ✓	GOOD ✓	GOOD ✓	6.0 ✓	GOOD ✓	GOOD ✓	GOOD ✓	61 ✓	36 ✓
5	137,750	108,750	32	104	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	6.6	GOOD	GOOD	GOOD	68	32

IT IS HEREWITH CERTIFIED THAT THE ABOVE MATERIALS ARE SATISFACTORY IN COMPLIANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT. ✓	ISO 9001:2015 JBT-0322	TOKYO SEIMITSUKAN CO., LTD. N. Yajima Chief of Inspection Section
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9/4/19

ASM Aerospace Specification Metals Inc., Pompano Beach, FL
 CERTIFIES THAT THIS IS A TRUE COPY OF THE MILL TEST REPORT
 AND REPRESENTS THE ACTUAL ATTRIBUTES OF THE ITEM(S)
 FURNISHED AND THE TEST RESULTS ARE IN FULL COMPLIANCE
 WITH ALL APPLICABLE SPECIFICATIONS AND PURCHASE
 ORDER REQUIREMENTS.

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